

FIG. 1A

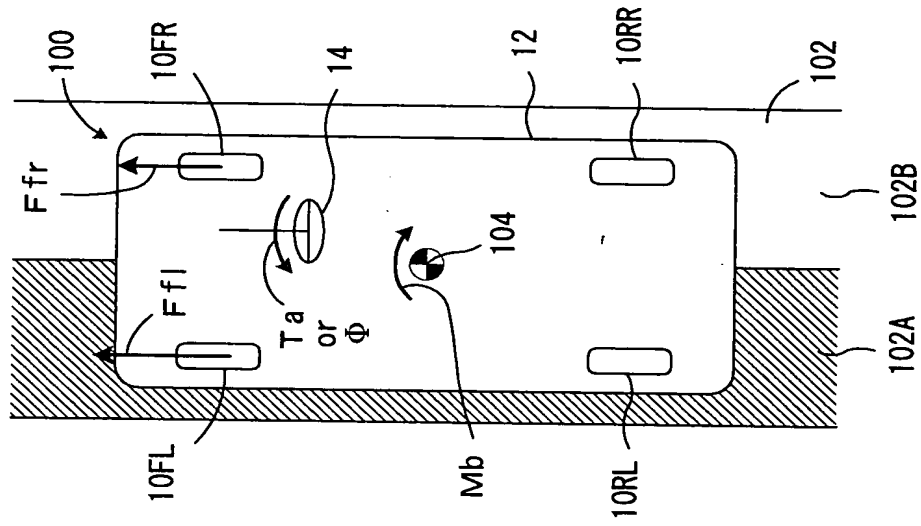


FIG. 1B

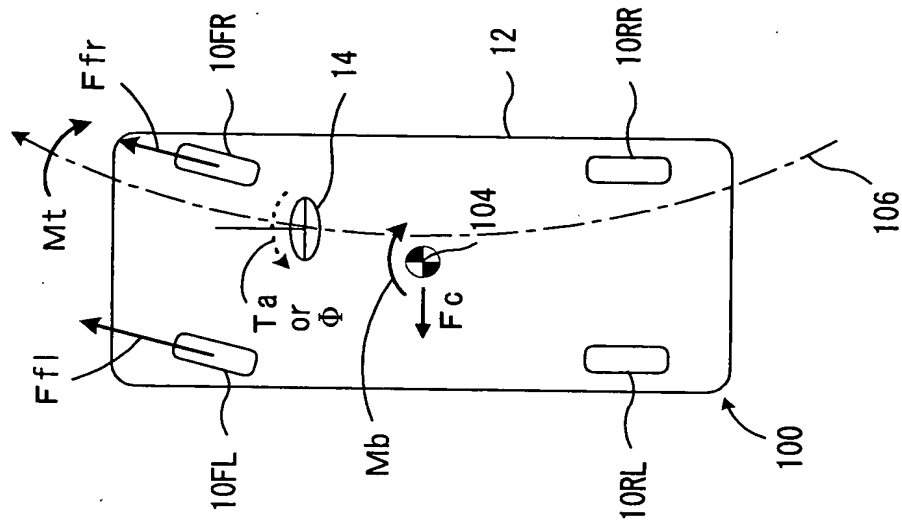


FIG. 2A

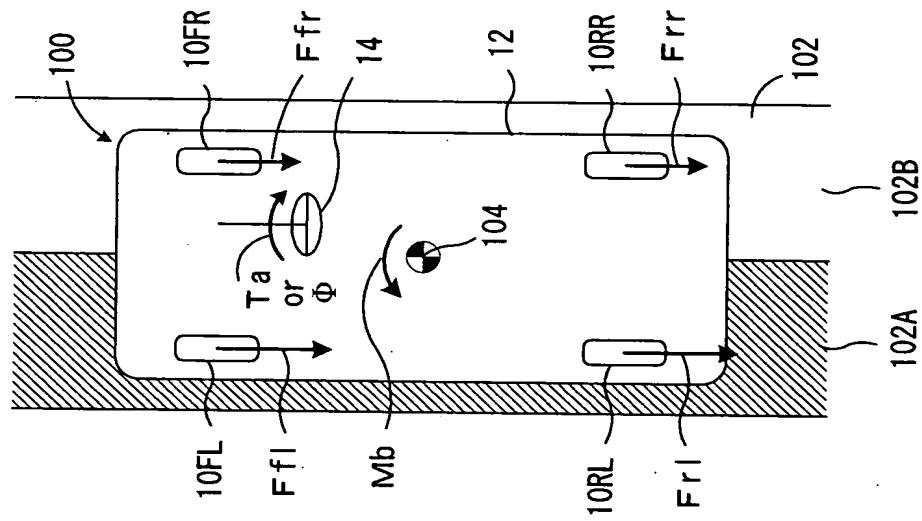
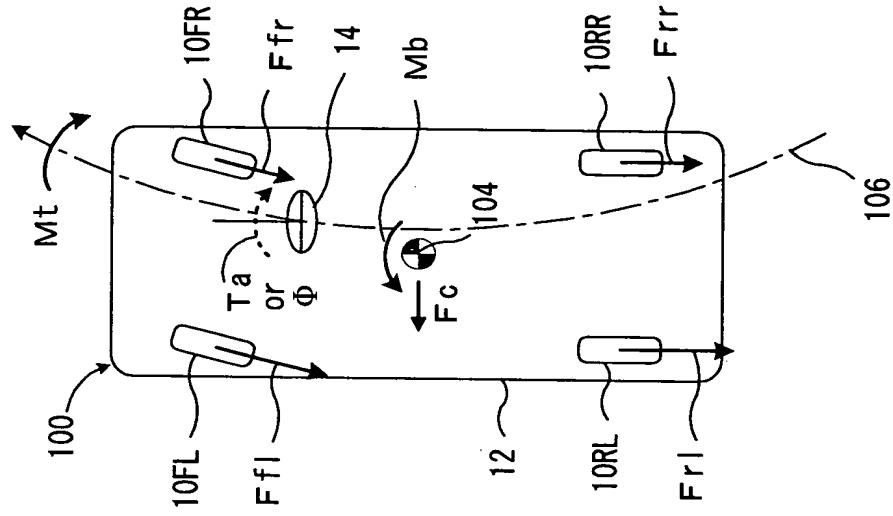


FIG. 2B



The diagram illustrates a vehicle chassis with four wheels (10FL, 10FR, 10RL, 10RR) and a central electronic control unit (48). The control unit receives inputs from a Wheel Velocity Sensor (50FL~50RR) providing V_{wi} , a Braking Pressure Sensor (52FL~52RR) providing P_{fl} and P_{fr} , a Vehicle Speed Sensor (58) providing V , and a Yaw Rate Sensor (60) providing γ . The control unit also receives T_s from a sensor (56) on the steering shaft (14). The control unit outputs a signal to a Hydraulic Circuit (40), which is connected to the wheels via hydraulic lines (32, 34, 36, 38) and valves (18L, 18R, 42FL, 42FR, 42RL, 42RR). A master cylinder (44) is also shown connected to the hydraulic circuit. A dashed box (20) encloses the wheel velocity sensors and the hydraulic circuit. A dashed box (12) encloses the vehicle speed sensor and the yaw rate sensor. A dashed box (16) encloses the steering shaft and the sensor (56).

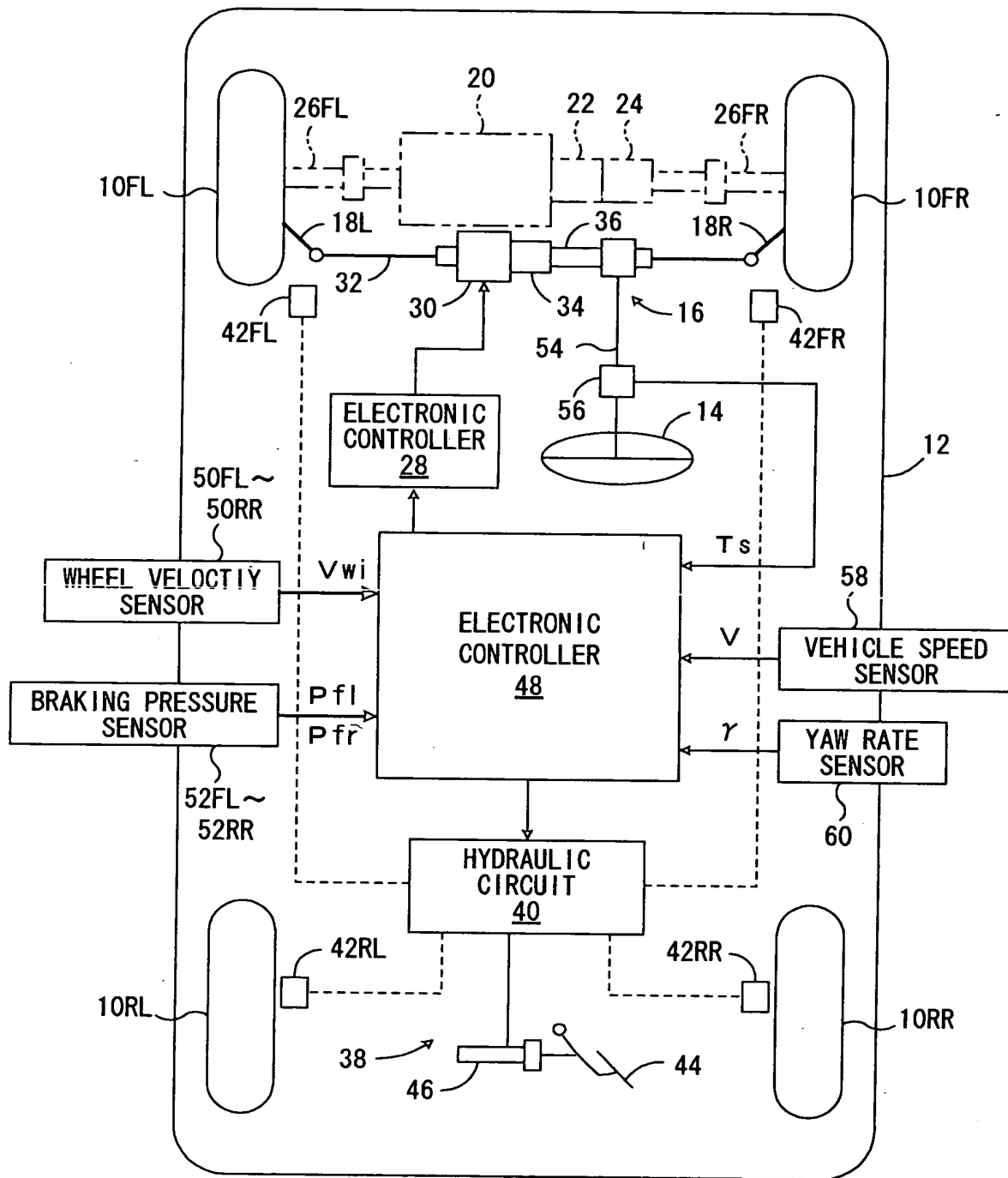


FIG. 4

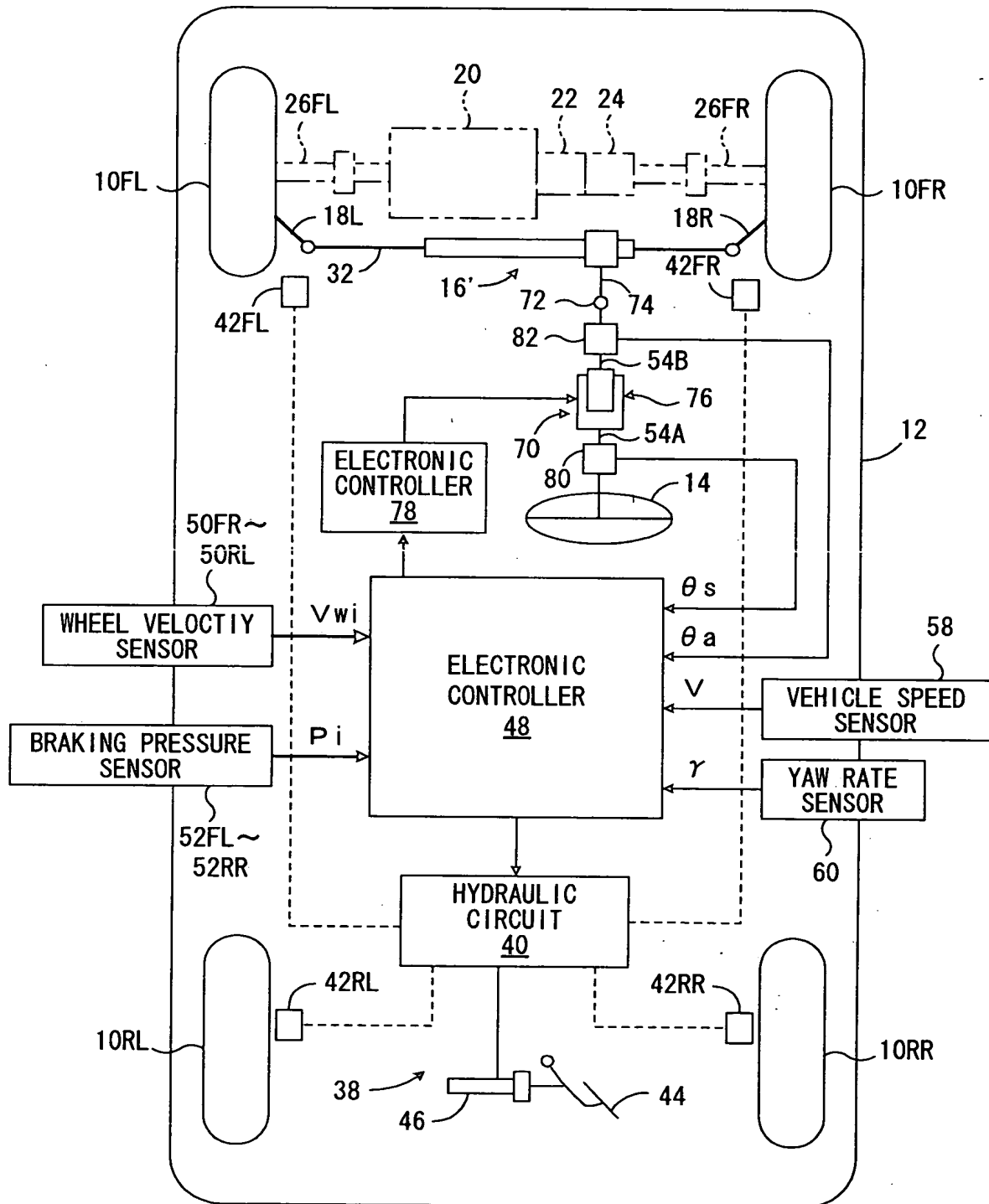


FIG. 5

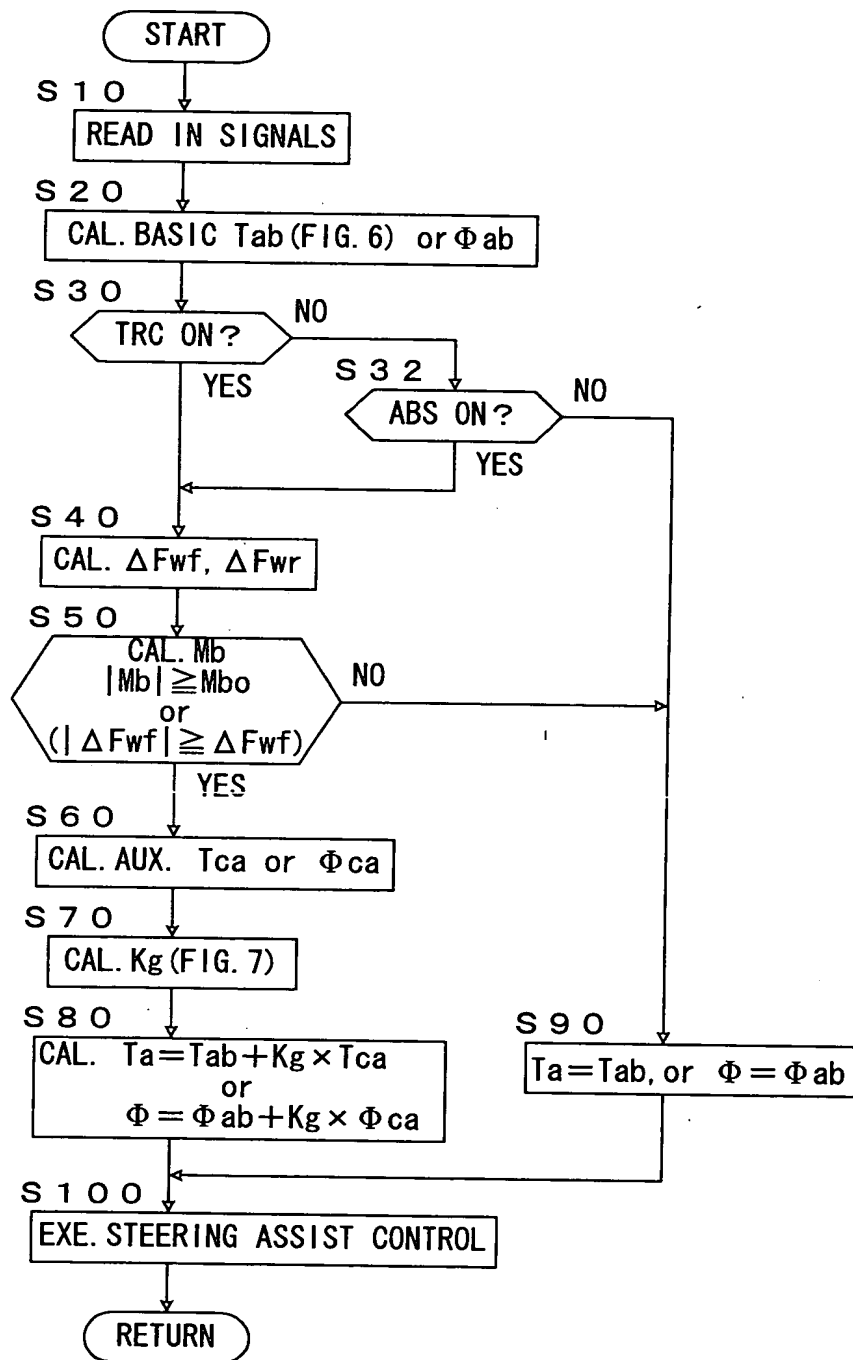


FIG. 6

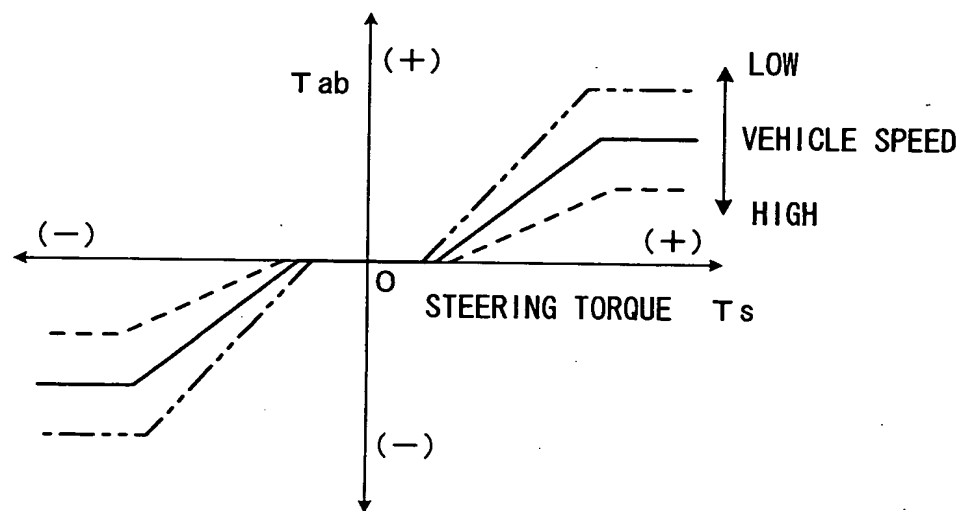


FIG. 7

